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145363 (1)/MG
473069 (4)/C
26503 (12)/F
210707 (4)/S
669009 (8)/O
5926670 (2)/N
L1 2 (1)/MG AND (4)/C AND (12)/F AND (4)/S AND (8)/O AND (2)/N

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 to 50,000
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FILE LAST UPDATED: 30 Jan 2007 (20070130/ED)

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L2 ANSWER 1 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2005:813295 CAPLUS
DOCUMENT NUMBER: 144:332096
TITLE: Conductance behavior of polymeric ion-gel containing magnesium salt
AUTHOR(S): Morita, Masayuki; Shirai, Takahiro; Egashira, Minato; Yoshimoto, Nobuko
CORPORATE SOURCE: Department of Applied Chemistry and Chemical Engineering, Faculty of Engineering, Yamaguchi University, Ube, 755-8611, Japan
SOURCE: Electrochemistry (Tokyo, Japan) (2005), 73(8), 579-581
PUBLISHER: Electrochemical Society of Japan
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 2 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2005:521398 CAPLUS
DOCUMENT NUMBER: 143:214242
TITLE: A novel polymeric gel electrolyte systems containing magnesium salt with ionic liquid
AUTHOR(S): Yoshimoto, Nobuko; Shirai, Takahiro; Morita, Masayuki
CORPORATE SOURCE: Department of Applied Chemistry and Chemical Engineering, Faculty of Engineering, Yamaguchi University, Ube, 755-8611, Japan
SOURCE: Electrochimica Acta (2005), 50(19), 3866-3871
PUBLISHER: Elsevier B.V.
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 3 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2005:344652 CAPLUS
DOCUMENT NUMBER: 142:395086
TITLE: Secondary nonaqueous electrolyte battery
INVENTOR(S): Dojo, Kazunori; Itaya, Shoji; Koga, Hideyuki; Fujimoto, Masahisa
PATENT ASSIGNEE(S): Sanyo Electric Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.
DOCUMENT TYPE: Patent
LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2005108520	A	20050421	JP 2003-337884	20030929
PRIORITY APPLN. INFO.:			JP 2003-337884	20030929

L2 ANSWER 4 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2004:1130231 CAPLUS
DOCUMENT NUMBER: 142:414305
TITLE: Ionic conductance behavior of polymeric gel electrolyte containing ionic liquid mixed with magnesium salt
AUTHOR(S): Morita, Masayuki; Shirai, Takahiro; Yoshimoto, Nobuko; Ishikawa, Masashi
CORPORATE SOURCE: Department of Applied Chemistry and Chemical Engineering, Faculty of Engineering, Yamaguchi University, Ube, 755-8611, Japan
SOURCE: Journal of Power Sources (2005), 139(1-2), 351-355
PUBLISHER: Elsevier B.V.
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 5 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2004:993801 CAPLUS
DOCUMENT NUMBER: 141:426261
TITLE: Nonaqueous electrolyte
INVENTOR(S): Dojo, Kazunori; Koga, Hideyuki; Itaya, Shoji; Fujimoto, Masahisa
PATENT ASSIGNEE(S): Sanyo Electric Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 11 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2004327326	A	20041118	JP 2003-122459	20030425
PRIORITY APPLN. INFO.:			JP 2003-122459	20030425

L2 ANSWER 6 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2004:876919 CAPLUS
DOCUMENT NUMBER: 141:368362
TITLE: Electrolyte and secondary battery which uses the electrolyte
INVENTOR(S): Miyaki, Yukio; Takada, Tomoo; Kawase, Kenichi; Iijima, Yukiko
PATENT ASSIGNEE(S): Sony Corp., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 18 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2004296315	A	20041021	JP 2003-88544	20030327

PRIORITY APPLN. INFO.:

JP 2003-88544

20030327

L2 ANSWER 7 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2004:802389 CAPLUS
 DOCUMENT NUMBER: 141:280430
 TITLE: Cathode active material for nonaqueous electrolyte secondary battery
 INVENTOR(S): Inoue, Takao; Fujimoto, Masahisa; Itaya, Masaharu
 PATENT ASSIGNEE(S): Sanyo Electric Co., Ltd., Japan
 SOURCE: U.S. Pat. Appl. Publ., 11 pp.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004191628	A1	20040930	US 2004-801655	20040317
JP 2004288579	A	20041014	JP 2003-82305	20030325
KR 2004084761	A	20041006	KR 2004-19959	20040324
CN 1532967	A	20040929	CN 2004-10032263	20040325
PRIORITY APPLN. INFO.:			JP 2003-82305	A 20030325

L2 ANSWER 8 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2004:782114 CAPLUS
 DOCUMENT NUMBER: 141:298684
 TITLE: Nonaqueous-electrolyte battery with magnesium-based anode
 INVENTOR(S): Koga, Hideyuki; Dojo, Kazunori; Itaya, Shoji; Fujimoto, Masahisa
 PATENT ASSIGNEE(S): Sanyo Electric Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2004265676	A	20040924	JP 2003-53548	20030228
PRIORITY APPLN. INFO.:			JP 2003-53548	20030228

L2 ANSWER 9 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2004:779292 CAPLUS
 DOCUMENT NUMBER: 141:298678
 TITLE: Nonaqueous-electrolyte battery with magnesium-based anode and sulfur cathode
 INVENTOR(S): Koga, Hideyuki; Dojo, Kazunori; Itaya, Shoji; Fujimoto, Masahisa; Miyake, Masahide
 PATENT ASSIGNEE(S): Sanyo Electric Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2004265675	A	20040924	JP 2003-53547	20030228
PRIORITY APPLN. INFO.:			JP 2003-53547	20030228

L2 ANSWER 10 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2004:570455 CAPLUS
 DOCUMENT NUMBER: 141:91879
 TITLE: Method of preparation of electrolyte for nonaqueous battery
 INVENTOR(S): Itaya, Masaharu; Miyake, Masahide; Fujimoto, Masahisa;
 Koga, Hideyuki; Donoue, Kazunori
 PATENT ASSIGNEE(S): Japan
 SOURCE: U.S. Pat. Appl. Publ., 7 pp.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004137324	A1	20040715	US 2003-743746	20031224
JP 2004213991	A	20040729	JP 2002-381184	20021227
JP 2004265677	A	20040924	JP 2003-53549	20030228
PRIORITY APPLN. INFO.:			JP 2002-381184	A 20021227
			JP 2003-53549	A 20030228

L2 ANSWER 11 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2004:392764 CAPLUS
 DOCUMENT NUMBER: 140:393380
 TITLE: Method of fabrication of rechargeable electrochemical cell
 INVENTOR(S): Chung, Sai-Cheong; Nakayama, Yuri; Noda, Kazuhiro;
 Hatazawa, Tsuyonobu
 PATENT ASSIGNEE(S): Sony Corporation, Japan
 SOURCE: PCT Int. Appl., 36 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004040675	A2	20040513	WO 2003-JP13789	20031028
WO 2004040675	A3	20041125		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003274763	A1	20040525	AU 2003-274763	20031028
CN 1708874	A	20051214	CN 2003-80102154	20031028
JP 2006505109	T	20060209	JP 2004-548055	20031028
US 2006003229	A1	20060105	US 2005-532947	20050427
PRIORITY APPLN. INFO.:			US 2002-421949P	P 20021029
			WO 2003-JP13789	W 20031028

L2 ANSWER 12 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2003:767287 CAPLUS
 DOCUMENT NUMBER: 139:396366
 TITLE: Interaction between the Lewis Acid Group of a Borate Ester and Various Anion Species in a Polymer

AUTHOR(S) : Electrolyte Containing Mg Salt
Saito, Morihiro; Ikuta, Hiromasa; Uchimoto, Yoshiharu;
Wakihara, Masataka; Yokoyama, Shoichi; Yabe, Takeshi;
Yamamoto, Masahiro

CORPORATE SOURCE : Department of Applied Chemistry, Graduate School of
Science and Engineering, Tokyo Institute of
Technology, Meguro, Tokyo, 152-8552, Japan

SOURCE : Journal of Physical Chemistry B (2003), 107(42),
11608-11614

PUBLISHER : CODEN: JPCBFK; ISSN: 1520-6106
American Chemical Society

DOCUMENT TYPE : Journal

LANGUAGE : English

REFERENCE COUNT : 41 THERE ARE 41 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 13 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2003:476026 CAPLUS
DOCUMENT NUMBER: 139:263222
TITLE: Rechargeable magnesium batteries with polymeric gel
electrolytes containing magnesium salts
Yoshimoto, Nobuko; Yakushiji, Shin; Ishikawa, Masashi;
Morita, Masayuki

CORPORATE SOURCE: Faculty of Engineering, Department of Applied
Chemistry and Chemical Engineering, Yamaguchi
University, Ube, 755-8611, Japan

SOURCE : Electrochimica Acta (2003), 48(14-16), 2317-2322

PUBLISHER : CODEN: ELCAAV; ISSN: 0013-4686
Elsevier Science Ltd.

DOCUMENT TYPE : Journal

LANGUAGE : English

REFERENCE COUNT : 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 14 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2002:936892 CAPLUS
DOCUMENT NUMBER: 138:257747
TITLE: Ionic conductance behavior of polymeric electrolytes
containing magnesium salts and their application to
rechargeable batteries
Yoshimoto, Nobuko; Yakushiji, Shin; Ishikawa, Masashi;
Morita, Masayuki

CORPORATE SOURCE: Department of Applied Chemistry and Chemical
Engineering, Yamaguchi University, Ube, 755-8611,
Japan

SOURCE : Solid State Ionics (2002), 152-153, 259-266

PUBLISHER : CODEN: SSIOD3; ISSN: 0167-2738
Elsevier Science B.V.

DOCUMENT TYPE : Journal

LANGUAGE : English

REFERENCE COUNT : 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 15 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2001:761515 CAPLUS
DOCUMENT NUMBER: 136:105032
TITLE: Rechargeable magnesium batteries using a novel
polymeric solid electrolyte
Morita, Masayuki; Yoshimoto, Nobuko; Yakushiji, Shin;
Ishikawa, Masashi

CORPORATE SOURCE: Department of Applied Chemistry and Chemical
Engineering, Faculty of Engineering, Yamaguchi
University, Ube, 755-8611, Japan

SOURCE : Electrochemical and Solid-State Letters (2001), 4(11),

A177-A179
CODEN: ESLEF6; ISSN: 1099-0062
PUBLISHER: Electrochemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 16 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2001:88883 CAPLUS
DOCUMENT NUMBER: 134:327161
TITLE: Ionic conductance of polymeric electrolytes consisting of magnesium salts dissolved in cross-linked polymer matrix with linear polyether
AUTHOR(S): Yoshimoto, Nobuko; Tomonaga, Yoichi; Ishikawa, Masashi; Morita, Masayuki
CORPORATE SOURCE: Faculty of Engineering, Department of Applied Chemistry and Chemical Engineering, Yamaguchi University, Ube, 755-8611, Japan
SOURCE: Electrochimica Acta (2001), 46(8), 1195-1200
PUBLISHER: Elsevier Science Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 17 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1999:619190 CAPLUS
DOCUMENT NUMBER: 132:143502
TITLE: Electrochemical behavior of magnesium in organic electrolyte solutions
AUTHOR(S): Yoshimoto, Nobuko; Ishikawa, Masashi; Morita, Masayuki
CORPORATE SOURCE: Fac. Eng., Yamaguchi Univ., Ube, 755-8611, Japan
SOURCE: Hyomen Gijutsu (1999), 50(9), 839-840
PUBLISHER: Hyomen Gijutsu Kyokai
DOCUMENT TYPE: Journal
LANGUAGE: Japanese

L2 ANSWER 18 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1998:503394 CAPLUS
DOCUMENT NUMBER: 129:217087
TITLE: Chain Mobility and Cation Coordination in the Polymer Electrolytes M[N(CF₃SO₂)₂]₂PEOn with M = Mg, Ca, Sr, and Ba
AUTHOR(S): Lauenstein, Asa; Tegenfeldt, Joergen
CORPORATE SOURCE: The Angstroem Laboratory Inorganic Chemistry, Uppsala University, Uppsala, SE-751 21, Swed.
SOURCE: Journal of Physical Chemistry B (1998), 102(35), 6702-6709
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 19 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1991:184787 CAPLUS
DOCUMENT NUMBER: 114:184787
TITLE: Preparation of sulfonyl imides for solid solutions for primary or secondary generators
INVENTOR(S): Armand, Michel

PATENT ASSIGNEE(S) : Centre National de la Recherche Scientifique, Fr.;
 Hydro-Quebec
 SOURCE: PCT Int. Appl., 15 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: French
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9011999	A1	19901018	WO 1990-FR240	19900405
W: CA, JP, US				
RW: AT, BE, CH, FR 2645533	DE, DK, ES, FR, GB, IT, LU, NL, SE	19901012	FR 1989-4504	19890406
FR 2645533	B1	19910712		
CA 2030809	A1	19901007	CA 1990-2030809	19900405
EP 419647	A1	19910403	EP 1990-907110	19900405
EP 419647	B1	19930901		
R: AT, BE, CH, JP 04501118	DE, DK, ES, FR, GB, IT, LI, LU, NL, SE	19920227	JP 1990-506618	19900405
AT 93844	T	19930915	AT 1990-907110	19900405
ES 2044587	T3	19940101	ES 1990-907110	19900405
US 5072040	A	19911210	US 1990-613642	19901203
PRIORITY APPLN. INFO.:			FR 1989-4504	A 19890406
			EP 1990-907110	A 19900405
			WO 1990-FR240	W 19900405

OTHER SOURCE(S) : MARPAT 114:184787

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